

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	905	136/263.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/21 12:37
S1	41111	(functionalize or functionalization or modif \$7 or graft\$5) and (titanium oxide)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/06 19:10
S2	2970	(functionalize or functionalization or modif \$7 or graft\$5) with (titanium oxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:11
S3	126	S2 and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:11
S4	103	(mesoporous or mesostructur\$3) with titanium oxide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:12
S5	0	(mesoporous or mesostructur\$3) with titanium oxide with graft \$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:13
S6	1	(mesoporous or mesostructur\$3) with titanium oxide with (functionalized or functionalize or functionalization)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:13
S7	27	(mesoporous or mesostructur\$3) with titanium oxide and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:14

S8	83	S3 and polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:31
S9	332	(functionalize or functionalization or graft \$5) with (titanium oxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:32
S10	288	S9 and polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:33
S11	15	S10 and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/06 19:33
S12	4	"2002084504"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 08:58
S13	1	"1996036668"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 09:37
S14	0	(electrostatic interaction same graft\$5).bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 11:51
S15	297	(electrostatic same graft \$5).bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 11:51

S16	191	S15 same polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 11:51
S17	1	S16 and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 11:52
S18	10	surface grafted same titanium oxide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 12:34
S19	1	polymer brush same titanium oxide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 13:03
S20	0	tethered polymer same titanium oxide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 13:03
S21	561	(functional\$5 or grafted or tethered) same titanium oxide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/07 16:31
S22	32854	positive same negative same grounded	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 08:37
S23	16968	positive same negative same grounded same resistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 09:22

S24	315	(positive same negative same grounded same resistor). bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 09:23
S25	1947	(terminal same grounded same resistor). bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 09:25
S26	74	(negative terminal same grounded same resistor). bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 09:26
S27	53	(negative terminal same positive terminal same grounded same resistor). bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 09:33
S28	5719	negative terminal with positive terminal with ground\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 10:16
S29	149	(negative terminal with positive terminal with ground\$5) and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 10:17
S30	149	S29 not S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 10:17
S31	4	mesoporous with titanium oxide with \$5particle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 10:41

S32	3908	diameter with titanium oxide with \$5particle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 10:43
S33	19	diameter with titanium oxide with nanoparticle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/05/08 10:43
S34	6323	(functionalize or functionalization or modif \$7 or graft\$5 or tether \$3) same (titanium oxide)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 13:13
S35	325	S34 and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 13:14
S36	745	(functionalize or functionalization or graft \$5 or tether\$3) same (titanium oxide)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 13:14
S37	30	S36 and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 13:14
S38	264	(functionalize or functionalization or graft \$5 or tether\$3) same (titanium oxide)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 13:22
S39	4	S38 and (solar or photovoltaic)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 13:22
S40	440	(functionalize or functionalization or graft \$5 or tether\$3) and (solar or photovoltaic)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 13:23
S41	210	(functionalize or functionalization or graft \$5 or tether\$3) and (solar or photovoltaic) (cell or module or panel or battery or device)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 13:23
S42	3219	(functionalize or functionalization or graft \$5 or tether\$3) and (solar or photovoltaic) (cell or module or panel or battery or device)	US-PGPUB; USPAT	ADJ	ON	2010/07/06 13:29
S43	225	S42 and 136/243-265. ocls.	US-PGPUB; USPAT	ADJ	ON	2010/07/06 13:29

S44	19	(thiophene same (titanium \$2oxide or tio2)) and 136/243-265.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/07/06 16:02
S45	59	(thiophene same (titanium \$2oxide or tio2)) and (solar or photovoltaic)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 16:06
S46	40	S45 not S44	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 16:06
S47	102	(solar or photovoltaic) and (titanium oxide or tio2) same sensiti\$3 same (polymer or polythiophene or ptaa) same dye	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:34
S48	72	136/243-265.ccls. and (titanium oxide or tio2) same sensiti\$3 same (polymer or polythiophene or ptaa) same dye	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:34
S49	29	136/243-265.ccls. and (titanium oxide or tio2) same sensiti\$3 same (polymer or polythiophene or ptaa) with dye	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:37
S50	0	136/243-265.ccls. and (titanium oxide or tio2) same sensiti\$3 same (polymer or polythiophene or ptaa) with dye with both	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:37
S51	0	136/243-265.ccls. and (titanium oxide or tio2) same sensiti\$3 same (polymer or polythiophene or ptaa) with dye with "and"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:37
S52	28	136/243-265.ccls. and (titanium oxide or tio2) same sensiti\$3 with (polymer or polythiophene or ptaa) with dye	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:37

S53	28	136/243-265 ccls and (titanium oxide or tio2) same sensiti\$3 with (polymer or polythiophene or pta) with dye	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:39
S54	44	S47 and (titanium oxide or tio2) same sensiti\$3 with (polymer or polythiophene or pta) with dye	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:39
S55	16	S54 not S53	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/19 17:40
S56	17	136/243-265.ccls. and (graft\$3 with dye)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/20 11:08
S57	18	136/243-265.ccls. and ((graft\$3 or tether\$3) with dye)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/20 11:09
S58	1	"10579226"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/20 11:09
S59	1	"9320569"	EPO	ADJ	ON	2011/10/20 11:11
S60	22	"4487989"	US-PGPUB; USPAT	ADJ	ON	2011/10/20 12:39
S61	6	"3966499"	US-PGPUB; USPAT	ADJ	ON	2011/10/20 12:43
S62	27	"4771764"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/20 17:46
S63	1	"20080308154"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/20 17:49
S64	6	"4114596" or "20030051750"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/10/20 17:51

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